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217/782-6761

Refer to: L1630200005 -- St. Clair
Sauget/Sauget
Suprfund/General Correspondence

September 16, 1986

Mike Miller
Ecology & Environment
111 W. Jackson Blvd.
Chicago, Illinois 60604

Dear Mike:

Puruant to our meeting on August 10, 1986 at your offices in Chicago I have prepared a summary of our discussions.

- . In attendance from Ecology & Environment were Mike Miller, William Goode, and Dan Sewell.
- . In attendance from IEPA were Jeff Larson and Bruce Carlson.
- . Ecology and Environment provided IEPA with a detailed description of the financial background on the S.O.W. changes proposed in their document of August 4, 1986 and detailed in their letter of August 26, 1986. These two articles will be adopted into a contract amendment to paragraph D.1.a of the original contract.
- . Subcontractor costs for the Sauget project will be altered to reflect actual proposed costs. Paragraph K(2)(a) Surdex Corporation costs shall not exceed \$17,600, a \$3,600 increase which was approved by a letter from Jeff Larson and Steve Dunn, January 1, 1986. K(2)(b), Canonie Construction costs shall not exceed \$101,559 which is a \$41,559 dollar increase, approved with the acceptance of the S.O.W. changes August 4, 1986 and E&E letter of August 26, 1986 (under subcontractor) detailing costs.
- . Ecology and Environment will send IEPA the cost estimates for the installation of two woven wire gates to be placed into the fenceline erected at the Dead Creek project site. IEPA instructed E&E to obtain estimates for this work in a phone call to Dan Sewell on June 6, 1986. Dan has talked to four local (St. Louis) fencing firms and has received only one bid. E&E will send IEPA the invoice for the work accomplished and a letter reflecting the fact there was but one interested contractor. The contract should be amended by 1700 dollars for this work.
- . A July 28, 1986 letter from E&E to IEPA proposing a revised S.O.W. for Dead Creek Sites RI/FS and detailed expenditures and explanations was received. This letter is the basis for a cost addition to the contract amendment proposed. Total costs for this work come to \$20,000.00



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- . Ecology and Environment will investigate security costs in the East St. Louis area. If added costs for this area of work are to be encountered it will be addressed on a future contract amendment.
- . The total costs for contract amendment No. 3 paragraph 2(E)1. should be changed to reflect cost changes as shown in the E&E letter to Bob Cowles August 20, 1986, page two (2) costs of \$1,294,018, plus the \$1700 for the two gates, plus the \$3600 for additional sub contractor costs not reflected in the letter of August 26, 1986.

In addition Ecology & Environment will

- . Change their monthly Progress Report format, adding a section to reflect monthly fiscal progress. This list will show by line item the RI/FS tasks and their associated 1) original contract amount 2) amended contract amount 3) monthly expenditure 4) total expenditure. The monthly progress report for June, July, and August will also be developed and transmitted to the IEPA Project Manager.
- . Ecology & Environment will send a representative to a meeting with the City Council in Cahokia, Illinois on September 23, 1986 at 7:00 p.m. The purpose of this meeting is to update the Mayor and Council of our proposed schedule (which E&E will have developed and sent for IEPA review prior to the meeting) and to assure them of our continuing interest in the Dead Creek area.
- . Ecology & Environment will send a representative to a October 2nd meeting in Springfield, IL at IEPA when Geraghty & Miller will submit their Final Deliverable on the Groundwater Study at Monsanto and Sunonding Sauget Area. The E&E representative should come open handed and their will be no exchange of information with G&M or Monsanto on October 2nd. A copy of the final groundwater study will be generated for E&E on October 2nd so that it may be transported back to Chicago with E&E.
- . Jeff Larson will talk to Kari Luly to find out who she talked to during her neighborhood search and what she asked. If possible a color coded map of her search will be generated by IEPA personnel. Kari should be informed and involved through the IEPA project manager in the proposed information search by E&E.
- . Ecology & Environment will review their 1985 equipment rate sheet attached in Amendment No. 1. Additional equipment may need to be added. Also, we discussed the need for E&E to document all items used during field work and the process involved for invoicing the IEPA fiscal section for their equipment and disposable items usage. It is very important to include detailed receipts on all items.
- . Mike McCarrin has been removed from this project and may work only as a field person in the future on-site.



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- . Bruce Carlson has received detailed maps of project sites showing proposed well and boring locations as well as existing wells. IEPA personnel will develop a proposed work map for two Sauget Village owned sites and the Cerro Copper site for Enforcement (IEPA) use.

Bruce will contact the Cerro Copper attorney to review our proposed work plan and if Cerro Copper has any objections. If they do we will be pursuing an injunction process through the Attorney General's Office.

We will begin work immediately on the same process for the two Sauget (Village) owned sites in which all anticipated problems and documentation on the description of the current situation and maps will be generated from the site by site description detailed in the July 22, 1986 E&E deliverable titled "Description of Current Situation at the Dead Creek Project Sites." This documentation is necessary for the proposed court action to be taken.

- . I will contact John Steller, PDU and Lisa Bonnet, PDU at IEPA to have them develop the contract amendment.
- . A current extension has been developed and is presently being circulated at IEPA for signatures. This will be sent to you shortly.

It was a pleasure to spend the day with you and to meet Bill Goode. Bruce and I felt that we accomplished our objectives and more. In summary, the day was valuable to both the project management of E&E and IEPA. If points of the discussion aforementioned are in error, please contact me and we will clarify these minutes. I remain,

A handwritten signature in black ink, appearing to read "Jeff Larson".

Jeff Larson
Project Manager
Federal Site Management Unit
Illinois Environmental Protection Agency

JL:bls/1919F,3,5

Attachments

cc: Jim Frank
Bob Cowles
Monte Nienkerk
Bill Radlinski
John Steller
Lisa Bonnet
Kari Luly
Bruce Carlson
Ken Mensing, Collinsville
Division File



ecology and environment, inc.

111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415

International Specialists in the Environment

16302 0000 5 St A
Sauget Sites
Superfund/Technics

July 28, 1986

Mr. Jeff Larson
Division of Land Pollution Control
Illinois EPA
2200 Churchill Road
Springfield, Illinois 62704

Dear Jeff:

This letter confirms our discussions of June 26, 1986. During the meeting, representatives of IEPA Division of Land Pollution Control and staff members of Ecology and Environment, Inc. (E & E) discussed numerous topics concerning the Dead Creek Project RI/FS. The issues included Hazard Ranking System (HRS) scoring, National Priority List (NPL) and State Remedial Action Priority List (SRAPL) requirements, environmental and health hazards in and around the Dead Creek Study area, and IEPA objectives.

Based upon information exchanged during the meeting, IEPA determined that E & E should prepare a proposal which includes a revised scope of work for the RI/FS. The revised scope of work would take into consideration the additional information uncovered to date and the IEPA objective of obtaining an adequate data base to place the sites or area on the NPL or SRAPL.

As we discussed in the meeting, E & E will prepare a scope of work which, in our best judgement, will provide the data necessary to facilitate an accurate assessment of the cause, extent, and impact of contamination in the Dead Creek Study Area. The scope of work will include approaches for achieving NPL and SRAPL placement, using the two placement mechanisms currently available: HRS scoring and Health Advisory assessments. Of course, all data obtained under these approaches will be valuable for any legal remedies the State may choose to pursue. The proposal will include a detailed explanation of the approaches, including costs.

As we agreed in the meeting, the charges for preparing this proposal for a revised scope of work will not exceed \$20,000. The general breakdown of expenses, as discussed in the meeting, will be as follows:

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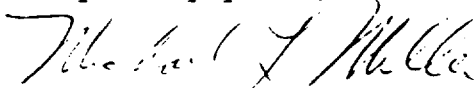
Mr. Larson
July 28, 1986
Page Two

E & E Staff Labor	\$17,000
Travel	\$ 1,000
Professional Assistance (Outside)	\$ 2,000

Mr. Neumaier indicated in the meeting that, because of the complex nature and potential importance of the Health Advisory approach, E & E will be conferring with a number of outside professional advisors who are members of E & E's Health and Safety Committee. Committee members Dr. Ed Calabrese, Dr. Raymond Harbison, Dr. James Naughton, Dr. Edward Carr, Dr. Carl Zenz, Dr. James Nolan, and Dr. Richard Lee, will provide E & E with added insights and knowledge which may be critical to the success of the project.

Because the proposed revised scope of work is scheduled to be delivered to you on or before August 5, 1986, and because of its anticipated length, I suggest that the meeting scheduled for that date be postponed until the week of the 11th of August to allow you time to review the information. I'll call you in the next few days to confirm a meeting date. Until then, please feel free to contact me.

Very truly yours,



Michael L. Miller, P.E.

MLM:mh

cc: Bill Radlinski

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ecology and environment, inc.

111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415

International Specialists in the Environment

August 20, 1986

Mr. Bob Cowles
Illinois EPA
Division of Land Pollution Control
2200 Churchill Road
Springfield, IL 62706

Dear Bob:

As you requested, I have enclosed a cost comparison between the work scope as defined by the IEPA Request for Proposal (RFP) and the work scope as defined by the E & E Revised Scope of Work proposal submitted to you on August 5, 1986. As we discussed, we recommend substituting the proposed Revised Scope of Work for the site investigation, data analysis, and RI report work (Tasks 7, 9, 10) as defined in the IEPA RFP. Further, if the HRS mechanism fails to achieve National Priority List placement, we believe the IEPA should pursue the H/A mechanism portion of the Revised Scope of Work, also included in the proposal.

Three items should be noted. First, since refurbishing the 12 IEPA wells will be necessary to complete the RFP scope of work, costs for well refurbishment have been added to the RFP scope of work comparison sheet. The Revised Scope of Work for the HRS mechanism includes costs for refurbishing the 12 IEPA monitoring wells. Second, the Revised Scope of Work comparison sheet includes an estimated total cost for the project under the HRS mechanism and an estimated total cost for the project under a combined HRS and H/A mechanism. Third, the estimated cost for the Revised Scope of Work includes \$22,242 in Item C which was not included in the cost figures provided in the proposal delivered to the IEPA on August 5, 1986. As I indicated to you during our phone conversation, this \$22,242 represents costs which were inadvertently not included in the cost proposal preparation. I will provide you with a revised cost proposal within a week, which reflects the correct revised cost figure.

As you can see from the figures provided on the cost comparison sheet, the estimated project cost:

for the RI/FS under the RFP scope of work
is \$1,139,714;

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IEPA-DLPC

Mr. Cowles
August 20, 1986
Page Two

for the HRS mechanism Revised Scope of Work
is \$1,139,462;

for the HRS mechanism Revised Scope of Work plus
the RFP feasibility study scope of work
is \$1,284,961; 1,294,018 as of Aug 23, 1986

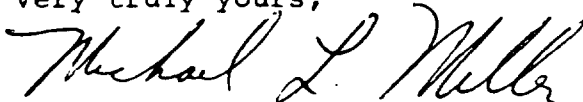
for the HRS mechanism and H/A mechanism Revised
Scope of Work
is \$1,430,317; and

for the HRS mechanism and H/A mechanism Revised
Scope of Work plus the RFP feasibility study scope
of work
is \$1,575,816.

The difference in costs between the RFP scope of work and
the Revised Scope of Work consists primarily of the \$142,979
needed to conduct air monitoring under the proposed HRS
mechanism scope of work.

I hope this information is of assistance to you. If you
have any questions, please contact me.

Very truly yours,


Michael L. Miller, P.E.

MLM:mh

cc: Jeff Larson

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RFP RI/FS SCOPE OF WORK

*Note Mike Miller
Sept 11, 1986
cost to date - Aug
262,771*

- A. Expended as of August 2, 1986 under RFP scope of work
\$253,714
- B. Costs budgeted for remaining RFP RI work (Tasks 7, 9,
and 10)
\$761,030
- C. Expenditures to date for field investigation materials
and labor which will be applicable to field investiga-
tion work
\$76,989
- D. Estimated cost to refurbish IEPA monitoring wells
\$56,460
- E. Estimated total cost to complete RI portion of project
under RFP scope of work (A + B - C + D)
\$994,215 1,003,272.00 - as of Aug 23, 1986
- F. Estimated total cost to complete RI/FS under RFP scope
of work
\$1,139,714 1,148,171.00 as of Aug 23, 1986

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REVISED SCOPE OF WORK

- A. Expended as of August 2, 1986 under RFP scope of work
\$253,714 262,171 as of Aug 23, 1986
- B. Estimated expenditures for field investigation materials
which will be applicable to HRS mechanism scope of work
\$35,000
- C. Estimated cost for HRS mechanism scope of work
\$920,748*
- D. Estimated total cost to complete the project under the
revised scope of work (A + C - B)
\$1,139,462 1,148,519 as of Aug 23, 1986
- E. Estimated total cost to complete the project under HRS
mechanism plus the RFP FS scope of work
\$1,284,961 1,294,018 as of Aug 23, 1986
- F. Estimated total cost to complete the project under the
HRS mechanism and H/A mechanism revised scope of work
\$1,430,317 1,439,314.00 as of Aug 23, 1986
- G. Estimated total cost to complete the project under HRS
mechanism and H/A mechanism revised scope of work, plus
the RFP FS scope of work

* Includes \$22,242 for air monitoring work costs which was inadvertently not included in August 5, 1986 proposal submission.

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Correspondence

August 26, 1986

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IEPA-DLFC

Mr. Bob Cowles
Illinois EPA
Division of Land Pollution Control
2200 Churchill Road
Springfield, Illinois 62706

Dear Bob:

I have enclosed five copies of the corrected HRS Mechanism Activities Labor and Cost Estimate sheet. This estimate sheet should replace the sheet included in the proposal submitted to you on August 5, 1986. As I indicated to you in our phone conversation and my letter to you of August 20, 1986, some equipment usage and supply costs (\$22,242) were inadvertently not included in the cost estimate submitted with the Revised Scope of Work Proposal.

If you have any questions regarding this matter, please contact me.

Very truly yours,

Michael L. Miller, P.E.

sn/
Enclosures

cc: Jeff Larson

Labor Rate
per hour

- Principal
- Chief
- Senior
- Associate
- Junior
- Technician
- Asst. Technician
- Secretary

101% MEANS

Table 5-1
MES Mechanism Activation Labor And Cost Estimate

Labor Rate per hour	Tasks				
	1	2	3	4	5
TOTALS	1	2	3	4	5
Principal	24	0	0	0	0
Chief	60	10	40	150	500
Senior	24	0	200	220	640
Associate	1,910	0	0	1750	160
Junior	150	0	0	116	40
Technician	180	20	0	0	160
Asst. Technician	150	0	0	0	120
Secretary	20	0	0	0	20
101% MEANS	6,000	354	90	330	4,332
1) Total Labor Dollars	994,437.50	63,344.44	61,340.40	64,531.70	657,004.24
2) Fringe Benefits	25,000.00	1,336.11	325.10	1,232.93	6,234.20
3) Total Labor Cost	1,019,437.50	64,680.55	61,665.50	65,764.63	663,238.44
Overhead Rate -----		65.0%	65.0%	65.0%	65.0%
4) Overhead	662,783.55	4,204.36	4,009.00	4,277.81	43,038.55
5) Travel - Airfare	22,865.00	425.00	150.00	900.00	20,640.00
- Per Diem	11,090.00	75.00	125.00	700.00	12,040.00
- Lodging	21,400.00	120.00	240.00	1,440.00	21,360.00
- Auto Rental	13,200.00	0.00	200.00	400.00	12,600.00
Subtotal Travel	67,555.00	620.00	715.00	3,440.00	66,640.00
6) Subcontracts	0.00	0.00	0.00	0.00	0.00
7) Other Direct Costs					
Personal Protection Disposable	33,570.00	0.00	0.00	0.00	33,570.00
Communication	600.00	200.00	50.00	0.00	850.00
Copy	600.00	50.00	50.00	0.00	700.00
Shipment Costs	4,000.00	0.00	0.00	0.00	4,000.00
Report Reproduction	1,300.00	300.00	0.00	0.00	1,600.00
Microfilm Duplication	13,075.00	500.00	500.00	0.00	14,075.00
Subtotal ODCs	54,145.00	1,050.00	800.00	0.00	55,995.00
8) Subtotal	1,737,827.55	12,682.91	4,159.50	23,278.64	27,351.25
9) S&M (including subcontracts)	990,000.00	3,554.01	1,164.64	6,523.06	63,221.67
10) 101% MEANS	3,513,896.32	16,296.92	5,324.14	29,801.70	398,573.00
11) FEE (on non labor)	5.0%	613,189.65	186.66	89.20	644.00
12) FEE (on other costs)	12.0%	632,410.30	1,634.21	668.03	1,632.56
13) Laboratory Analysis (L&T)	1341,500.00	0.00	0.00	94,500.00	247,000.00
14) Equipment Usage (E&T)	600,550.00	0.00	0.00	6,500.00	14,100.00
15) Computer Usage (C&T)	60.00	0.00	0.00	0.00	0.00
15) 101% MEANS	6320,746.35	18,100.02	5,873.57	144,244.26	683,486.87

- Task 1 Work Plan Revision
- Task 2 Water Supply Search
- Task 3 Air Monitoring
- Task 4 Additional Investigations
- Task 5 Final Report